



The European Union – Uzbekistan Sustainable Energy Days

International Conference

Energy Efficiency in Uzbekistan: prospects and challenges Radisson Blu Hotel, Tashkent, 27 June 2023

Energy management systems in municipalities – from obligation to practical implementation (experience of Riga city, Latvia)

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Agency









Obligation by law

Article Nr.5 of Energy Efficiency Law

(2) Local governments of State cities shall introduce and maintain a certified energy management system.

Entry into force: 29.03.2016

Energy Management System (EMS) according ISO 50001 standart

Implementation

Description of all procedures;

Development of EMS management board;

Decision of city council about implementation of EMS;

Certification

Internal audit:

External audit;

Reporting to state

Link: Energy Efficiency Law

Information about energy consumption gives you possibility to make decisions for improvement.





Creation of EMS in Riga City

First setup of EMS in Riga

- · List of schools and kindergartens;
- Collection of electricity, heat, gas, water consumption data;
- Energy/water consumption benchmarks;
- Potential savings;
- Description of EMS processes;
- Creating EMS management board;
- Internal coordination;

Political decision of City Council

- Planned savings 5% of energy related costs – promised to politicians;
- Involved 355 institutions;
- Director of every institution is responsible for EMS integration;
- List of energy efficiency measures which must be implemented in each institution;
- Financial, building maintenance and educational department leaders are involved in EMS management board;
- Riga Energy Agency implements EMS in Riga;

Certification of EMS

- Internal audits
- Yearly report
- External audit of EMS
- ISO 50001 Certificate

Summer 2021

December 2021

March 2023





Rolling out of EMS in Riga

Involvement of employees (20 000+)

Involvement of department heads

Support of Mayor

Training of staff

Responsibility of director of each institution

Visits of institutions

Monthly energy consumption reports

Mandatory requirements

Return of savings

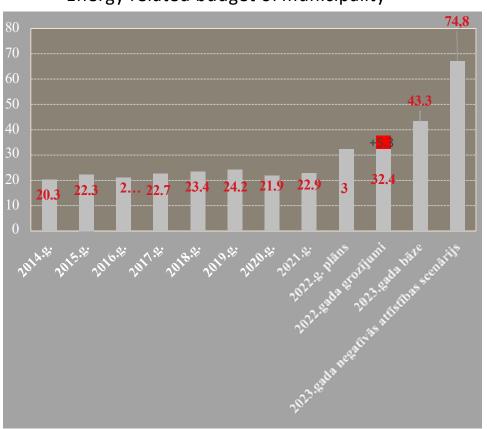
Benchmarking of institutions



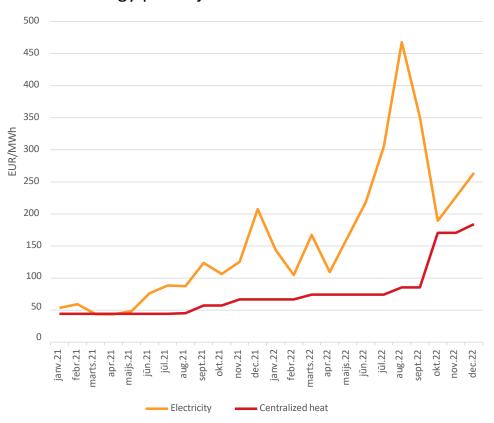


Energy price crisis 2022

Energy related budget of municipality



Energy prices jan.2021 – dec.2022

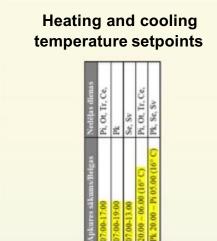






Energy efficiency measures for everybody in municipality

Mandatory 15% energy consumption savings for all municipal bodies



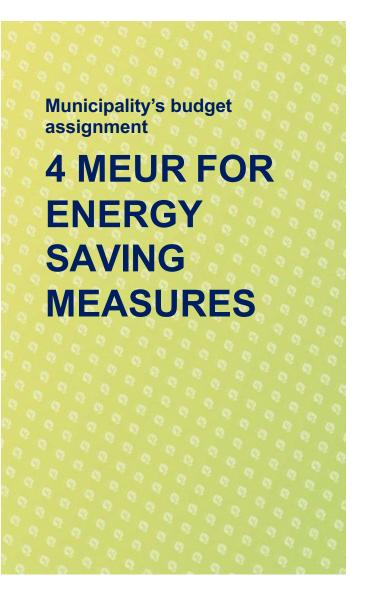












- Energy efficient lighting
- PV panels
- Gas boilers replacement
- Other climate related activities







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THANK YOU!



